Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	07/05/2016 09:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2016 10:14 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124622	-1	3.00	124420	2.93
Blue	F	SSC	125000	125553	0	5.60	126407	5.54
Blue	E	FITC	17316	16556	-5	3.75	937	9.68
Blue	D	PE	22501	22037	-3	3.34	991	8.76
Blue	B	PerCP-Cy5-5	67647	66936	-2	3.92	1757	13.73
Blue	A	PE-Cy7	80682	80683	0	4.75	1049	25.20
Red	C	APC	64263	62954	-3	2.92	3523	8.58
Red	A	APC-Cy7	96129	95679	-1	2.96	1900	8.28
Violet	B	V450	11714	11182	-5	3.60	698	8.46
Violet	A	V500	48394	47285	-3	3.14	2675	5.95

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20970	3.87	604	15	N/A	N/A	Pass
Blue	F	SSC	62840	4.50	520	6	N/A	N/A	Pass
Blue	E	FITC	101	38.02	519	-1	0.0236	212	Pass
Blue	D	PE	204	25.50	515	1	0.1648	146	Pass
Blue	B	PerCP-Cy5-5	212	40.02	608	1	0.0107	0	Pass
Blue	A	PE-Cy7	78	101.31	664	1	0.0148	14	Pass
Red	C	APC	328	27.51	588	3	0.0194	6	Pass
Red	A	APC-Cy7	120	38.80	567	2	0.0045	773	Pass
Violet	B	V450	74	41.65	456	0	0.0393	1465	Pass
Violet	A	V500	174	23.52	488	1	0.0134	424	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.24	-31.61	0.84
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.30
Red	15.94	13.28 - 19.92	N/A	N/A	31.53	32.34	1.13

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 9880

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments